

CLAIMS

1. A method of power control, comprising:
 - enabling closed-loop power control in response to detecting a wide-band interference above a threshold;
 - disabling closed-loop power control in response to determining the wide-band interference is below a threshold; and
 - sending a power feedback signal indicating a power transmission level if the closed-loop power control is enabled.
2. The method of claim 1 further comprising:
 - disabling open-loop power control in response to detecting a wide-band interference above a threshold; and
 - enabling open-loop power control in response to determining the wide-band interference is below a threshold.
3. The method of claim 1, wherein the power feedback signal is a power-up command indicating an increase in power transmission level.
4. The method of claim 1, wherein the power feedback signal is a power-down command indicating a decrease in power transmission level.
5. The method of claim 3, wherein the power feedback signal is a power-up command if a quality parameter is less than a target quality parameter.
6. The method of claim 4, wherein the power feedback signal is a power-down command if a quality parameter is greater than a target quality parameter.
7. The method of claim 1, further comprising sending a feedback signal indicating wide-band interference.
8. A wireless terminal, comprising:

means for enabling closed-loop power control in response to detecting a wide-band interference above a threshold;

means for disabling closed-loop power control in response to determining the wide-band interference is below a threshold; and

means for sending a power feedback signal indicating a power transmission level if the closed-loop power control is established.

9. The wireless terminal of claim 8 further comprising:

means for disabling open-loop power control in response to detecting a wide-band interference above a threshold; and

means for enabling open-loop power control in response to determining the wide-band interference is below a threshold.

10. The wireless terminal of claim 8, wherein the power feedback signal is a power-up command if a quality parameter is less than a target quality parameter.

11. The wireless terminal of claim 8, wherein the power feedback signal is a power-down command if a quality parameter is greater than a target quality parameter.

12. A wireless terminal, comprising:

a receiver for detecting a wide-band interference above a threshold;

a baseband processor for enabling closed-loop power control in response to detecting the wide-band interference, the baseband processor coupled to the receiver;

a transmitter for sending a power feedback signal indicating a power transmission level if the closed-loop power control is enabled, the transmitter coupled to the baseband processor.

13. The wireless terminal of claim 12 wherein:

the baseband processor disables open-loop power control in response to detecting a wide-band interference above a threshold; and

the baseband processor enables open-loop power control in response to determining the wide-band interference is below a threshold.

14. The wireless terminal of claim 12, wherein the power feedback signal is a power-up command if a quality parameter is less than a target quality parameter.

15. The wireless terminal of claim 12, wherein the power feedback signal is a power-down command if a quality parameter is greater than a target quality parameter.

16. Computer readable media embodying a program of instructions executable by a computer program, said computer readable media comprising:

a computer readable program code means for enabling closed-loop power control in response to detecting a wide-band interference above a threshold;

a computer readable program code means for disabling closed-loop power control in response to determining the wide-band interference is below a threshold; and

a computer readable program code means for sending a power feedback signal indicating a power transmission level if the closed-loop power control is established.

17. The computer readable media of claim 16 further comprising:

a computer readable program code means for disabling open-loop power control in response to detecting a wide-band interference above a threshold; and

a computer readable program code means for enabling open-loop power control in response to determining the wide-band interference is below a threshold.

18. The computer readable media of claim 16, wherein the power feedback signal is a power-up command if a quality parameter is less than a target quality parameter.

19. The computer readable media of claim 16, wherein the power feedback signal is a power-down command if a quality parameter is greater than a target quality parameter.